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SOURCE GOST 3254-46, 2 pp, 1946.

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TECHNICAL SPECIFICATIONS OF USSR WINTER AUTOMOTIVE GASOLINE (GOST 3254-46)

[Outlining follows original document.]

1. This standard applies to gasoline used as a fuel for gasoline engines, operating at an average temperature of below +5°C.

2. There are two grades of winter automotive gasoline, distinguished by their octane ratings:

- a. No 70, winter automotive gasoline.
- b. No 60, winter automotive gasoline.

3. Winter automotive gasoline must satisfy the following requirements:

Physicochemical Properties	Indexes According to Grade		Test Method
	70	60	
1. Octane rating of the gasoline without ethyl fluid, not less than	--	60	GOST 511-41
2. Octane rating of gasoline with an ethyl content of not more than 1.5 ml per one kilogram of gasoline, not less than	70	60	GOST 511-41
3. Fractional Composition:			
a. Ten percent distilled off at not higher than	73°C		GOST 2177-43
b. Fifty percent distilled off at not higher than	140°C		

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c. Ninety percent distilled off at not higher than	190°C	
d. Final boiling point, not higher than	200°C	GOST 2177-43
e. Residue in retort, not above	1.5%	
f. Total residue and loss, not above	0.5%	
4. Vapor tension (Reid)	375-600 mm Hg	GOST 1756-42
5. Content of natural resins, not above	10 mg/100 ml	GOST 1567-46
6. Induction period, not less than	240 min	OST 17872-39, method 24 v
7. Content of sulfur, not to exceed	0.15%	GOST 1771-42
8. Copper plate test	Passes	OST NKTP 7872/ 2292 method 23z-37
9. Content of watersoluble acids and a. alis	None	OST NKTP 7872/ 2292 method 25e-37
10. Content of mechanical impurities and water	None	The gasoline, when poured into a glass cylinder of 40-50 mm in diameter must be trans- parent and must not show suspension or sediment of foreign bodies (in- cluding wa- ter)

- NOTES: 1. A sulfur content of not more than 0.6% is permissible in gasolines produced from sulfurous petroleum.
2. At delivery points of gasoline to the consumer (petroleum bases), an increase in the content of natural resins to 15 mg per 100 ml of gasoline is permissible; similarly, the temperature of distillation at all points may be 2°C higher, that of the final boiling point, 3°C, and the residue in the retort may be higher by 0.3%.
3. The induction period of the gasoline is determined at production.
4. Storage of the gasoline is permissible for a period not longer than 6 months from the time it is produced.
5. Resin content and induction period of straight-run gasolines are not checked.

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4. Packing, shipping, storage, and receiving of winter automotive gasoline is carried out in accordance with GOST 1510-45.

5. Selection of specimens of winter automotive gasoline is effected in accordance with GOST 2517-44. In the check analysis, 2 liters of gasoline are used.

6. In the use of ethyl gasolines, the regulations and instructions of the GOSSANINSPEKTIYA (State Sanitary Inspection) GSS on prevention of toxic effects in storage, shipping, and utilization of ethyl gasoline for motor transport must be observed.

Proposed by the Petroleum Industry Department of the All-Union Committee on Standards.

Approved by the All-Union Committee on Standards, 1 July 1946.

Effective 1 September 1946.

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